

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

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INVENTOR : NAKAMURA TETSUO;

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TITLE : NOVEL MEDICINAL COMPOSITION FOR TREATING ALLERGIC AND AUTOIMMUNE DISEASES

ABSTRACT : PURPOSE: To obtain a novel subject composition which is useful in treating chronic bronchial asthma, hay fever and allergic rhinitis such as pollenosis by allowing aqueous solution or suspension of mycophenolic acid (or its derivative) to inhaling into respiratory tract or spraying into nasal cavity.

CONSTITUTION: Mycophenolic acid or its derivative is added to sterilized pure water to form a solution of suspension, to which 5% aqueous sodium hydroxide is gradually added to effect complete dissolution of the compound. Then, the solution is added with sodium chloride, methyl p-hydroxybenzoate and propyl p-hydroxybenzoate to form a solution and its volume is adjusted by adding sterilized pure water. The solution is sterilized by passing through the filtration unit equipped with membrane filter of 0.22 μ m pore diameter and the filtrate is further sterilized with ethylene oxide in a clean bench to give the objective medicinal composition for chronic bronchial asthma, hay fever or pollenosis by inhalation into respiratory tract or spraying into nasal cavity.

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APPLICANT : KITA:KK;

INVENTOR : KITA KIYOSHI;

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TITLE : MEDICINE FOR PREVENTING OPACITY OF OCULAR TISSUE AFTER OPHTHALMIC OPERATION

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a composition for ophthalmology, containing a protein biosynthesis-inhibiting antibacterial antibiotic, and capable of preventing the opacity and refractive defect of an injured tissue due to an ophthalmic operation.

SOLUTION: This composition for ophthalmology contains a protein biosynthesis-inhibiting antibacterial antibiotic of amino glycoside, tetracycline, macrolide, lincomycin or chloramphenicol series as an active ingredient. The composition is directly administered to an ocular local site after an ophthalmic operation to suppress the production of metabolites, especially proteins, due to the hyperplasia of inflammatory cells and their ocular tissue cells on the recovery of an ocular tissue wound, to normally maintain the optical transparency and refractivity of the operated ocular tissue, and to prevent a low vision. The composition is prepared into the preparations of eye drops and ointments, and is administered in a concentration of at least 0.5mg/ml. One drop of the eye drop is 40-50 μ l, and the ointment is coated at a dose of 50mg. The composition is effective for corneal refraction, cataract operation, intraocular lens transplantation, pterygium operation, corneal foreign matter removal, corneal transplantation, keratoplasty, glaucoma operation, etc.

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